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the United States Patent and Trademark Office,  
Facsimile No. 571-273-8300 on the date indicated below:

PATENT  
USDA Docket No.: 0077.04

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

On October 5, 2006

USDA, Agricultural Research Service, Office of Technology Transfer

By: Elizabeth Sampson

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of:

Linda S. Thomashow *et al.*  
Application No.: 10/810,904  
Filed: March 26, 2004  
For: SEQUENCES ENCODING PHZO  
AND METHODS  
Customer No.: 25278

Confirmation No. 1051

Examiner: Charles L. Patterson Jr.

Technology Center/Art Unit: 1652

**AMENDMENT AND RESPONSE TO  
FINAL OFFICE ACTION**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In response to the Office Action mailed July 7, 2006, please enter the following  
amendments and remarks:

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this  
paper.

Remarks/Arguments begin on page 3 of this paper.